



## REPLACEMENT ABSTRACT

~~The invention concerns a~~ method and an apparatus for analysing~~analyzing~~ the pattern of movements of the thoracolumbar part of the spinal column of a human being in a golf swing.

~~Therefore the object of the present invention is to provide a suitable analysis method and an apparatus for carrying out same, by means of which the golf swing analysis can be implemented very precisely, quickly and inexpensively.~~

~~A method and apparatus for analysing the pattern of movements of the thoracolumbar part of the spinal column in a golf swing comprising:~~

~~— a plurality of, for example three, measurement value pick-ups which are positioned on the human body, preferably at the spinal column;~~

~~— the measurement value pick ups are preferably ultrasonic measurement value pick ups for detecting movements three-dimensionally in degrees of angle per transit time measurement, the speed, acceleration and/or the direction of movement of the body measurement points to be sensed during the golf swing;~~

~~— the measurement value pick-ups are coupled to a data processing apparatus which processes the recorded measurement values;~~

~~— measurement value comparative data from other experimentees are stored in the data processing apparatus;~~ and

~~— the recorded measurement value data are compared to the measured value comparative data and the measurement result is represented on a display device coupled to the data processing apparatus, so that the observer can ~~recogniserecognize~~ the quality of the measured golf swing of the experimentee in relation to other experimentees.~~

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